

CLAIMS

## 1. A piling device, including:

a support frame having a lower end mounted on a footing;

5 a mechanism for gripping a pile;

a mechanism for driving the pile into the ground;

the gripping mechanism and the piling mechanism being pivotally connected to and supported by the frame;

10 the pivotal connection of the gripping and driving mechanisms to the frame enabling a pile gripped by the gripping mechanism to be aligned in the desired orientation relative to the frame prior to being driven into the ground.

## 2. A device according to claim 1, wherein the pivotal connection enables 15 angular adjustment of a pile gripped by the gripping mechanism relative to the frame.

## 3. A device according to claim 1, wherein a pivotal adjustment actuator is provided, the actuator including at least one hydraulically actuated cylinder 20 connected between the frame, and the driving and/or gripping mechanisms.

## 4. A piling device, including:

a support frame having a lower end mounted on a footing;

25 a mechanism for gripping a pile;

a mechanism for driving the pile into the ground;

the gripping mechanism and the piling mechanism being connected to and supported by the frame; wherein

30 the frame includes at least one opening provided in the side thereof to facilitate removal of the device from around a pile partially extending from the ground.

5. A device according to claim 4, wherein the opening is sized to allow a pile partially extending from the ground to pass there through in the event that the frame has to be moved during the piling operation.
- 5 6. A device according to claim 4, wherein the device includes two openings located on opposite sides of the frame.
7. A piling device, including:
  - a support frame having a lower end mounted on a footing;
  - 10 a mechanism for gripping a pile;
  - a mechanism for driving the pile into the ground;
  - the gripping mechanism and the piling mechanism being connected to and supported by the frame; wherein
  - the gripping mechanism is hydraulically operated.
- 15 8. A device according to claim 7, wherein, the gripping force applied by the gripping mechanism to a pile is adjustable.
9. A piling device, including:
  - 20 a support frame having a lower end mounted on a footing;
  - a mechanism for driving a pile into the ground;
  - the upper end of the pile driving mechanism is connected to the upper end of the frame and extends downwardly relative to the frame;
  - a mechanism for gripping a pile; wherein
  - 25 the gripping mechanism is connected to and extends downwardly from the lower end of the pile driving mechanism.
10. A piling device according to claim 9, wherein the driving mechanism includes a driving frame and hydraulic cylinders extendable downwardly relative to the driving frame, wherein the lower end of the cylinders are connected to the gripping mechanism.
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17. A piling device substantially as herein described and illustrated.